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**PARENT FUNCTIONS**  
*& Transformations*  
**REFERENCE BOOK**

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**ALL THINGS ALGEBRA®**

# PARENT FUNCTIONS & Transformations REFERENCE BOOK

**Objective:** This reference book was created to use as a review of transformations and the following function families: linear, absolute value, quadratic, cubic, square root, cube root, exponential, logarithmic, and reciprocal.

Students will graph the both the parent function and transformation graph for each function family. Students will also identify the following properties for each function: domain, range, x-intercept(s), y-intercept, increasing intervals, decreasing interval(s), and end behavior. Special characteristics included with some functions: vertex, end point, turning point(s), asymptotes.

## PC Printing Directions:

- 1) Click **File-> Print**. Or, click the printer icon at the top.
- 2) Choose **Pages 3-8**
- 3) Click **"Print on Both Sides of Paper"** -> Choose **"Flip on Long Edge"**
- 4) Click **"Print"**

## MAC Printing Directions:

- 1) Click **File-> Print**. Or, click the printer icon at the top.
- 2) Choose **Pages 3-8**
- 3) Click **"Custom Scale"** and type in **97%**
- 4) Click **"Printer"** in the lower left corner
- 5) Check **"Two-Sided"**
- 7) Click **"Print"**
- 8) Click **"Print"**

**Once Printed:** Cut the pages in half along the dashed line. Stack the pages A-F using the letters in the lower right corner. Fold in half and staple!

